

Index of Authors

VOLUME 69 (1988)

(The numbers followed by P refer to abstracts from Society Proceedings)

- Abdel-Malek, A., Markham, C.H., Marmarelis, P.Z. and Marmarelis, V.Z., Quantifying deficiencies associated with Parkinson's disease by use of time-series analysis, 24
- Ackermann, H., 3P
- Ackerstaff, R.G.A., 37P
- Adams, R.W., Lambert, G.A. and Lance, J.W., Brain-stem facilitation of electrically evoked visual cortical response in the cat. Source, pathway and role of nicotinic receptors, 45
- Addae, J.I. and Stone, T.W., Purine receptors and kynurenic acid modulate the somatosensory evoked potential in rat cerebral cortex, 186
- Addy, R.O., 86P
- Ahmann, P., 77P
- Alho, K., see Näätänen, R., 523
- Ali, Z., 71P
- Allen, E.M., 42P, 43P
- Alom, J., 66P
- Amassian, V.E., 83P, 88P
- Aminoff, M.J., 81P, 82P
- Aminoff, M.J., see Reisin, R.C., 585
- Andermann, F., 50P, 80P
- Anderson, E., 71P
- Andy, O.J., 33P, 94P
- Angtuaco, T., 93P
- Anogianakis, G., see Pantev, C., 160
- Anstätt, T., 2P
- Applegate, C.D., 49P
- Arbit, E., 60P
- Arcos, J., 64P
- Argenta, M., 5P
- Arlt, A., 2P
- Aschoff, J., 23P
- Aschoff, J.C., 12P, 23P
- Ashida, H., see Tatsuno, J., 287
- Aubourg, P., 56P
- Bächer, P., see Gasser, T., 91
- Bady, B., 56P
- Barkhaus, P.E., see Nandedkar, S.D., 561
- Barnet, A.B., 78P
- Baroncini, P., see Bes, F., 501
- Bartoszek, D., 86P
- Başar, E., 2P, 3P
- Başar-Eroglu, C., 2P, 3P
- Basora, R., 66P
- Baxter, R.J., 74P
- Beaudry, M., 50P, 96P
- Bechner, E., 84P
- Beck, B., 4P
- Becker, E., 58P
- Becker, H., 27P
- Becker, L.E., 51P
- Benecke, R., Meyer, B.-U., Göhmann, M. and Conrad, B., Analysis of muscle response elicited by transcranial stimulation of the cortico-spinal system in man, 412
- Benetó, A., 69P
- Bentivoglio, P., see Branston, N.M., 469
- Bercovici, J.P., 56P
- Berendes, E., 11P
- Berg, B.O., 81P
- Berg, P. and Davies, M.B., Eyeblink-related potentials, 1
- Bergen, D., 32P
- Berger, W., 4P, 7P
- Bergeret, G., 53P
- Berkefeld, J., 19P
- Berkovic, S.F., 50P
- Berlit, P., 4P
- Berns, T.-H., 23P
- Berry, D., 92P
- Bertrand, O., see Pernier, J., 385
- Bes, F., Baroncini, P., Dugovic, C., Fagioli, I., Schulz, H., Franc, B. and Salzarulo, P., Time course of night sleep in the first year of life: a description based on automatic analysis, 501
- Besser, R., 25P
- Besson, M., see Kutas, M., 218
- Bienzle, U., 11P
- Billings, R.J., 42P
- Blanc-Jouvan, F., 55P
- Bleck, T.P., 32P
- Bleich, N., 58P
- Blom, J., 36P
- Blondia, R., 38P
- Blossfeldt, T.P., 10P

- Blumberg, H., 5P
 Blume, W.T. and Lemieux, J.F., Morphology of spikes in spike-and-wave complexes, 508
 Blumen, S., 59P
 Bodis-Wollner, I., 31P, 32P
 Boonstra, S., 62P
 Borenstein, S., see Zegers de Beyl, D., 313
 Born, J., 5P
 Bornstein, N., 58P
 Borsotti, J.P., 56P
 Boston, J.R., 83P
 Bouisset, S., see Do, M.C., 448
 Bour, L., 37P
 Bour, L.J., 62P
 Bourrin, J.C., 56P
 Braakhekke, J.P., 61P
 Branca, P.A., 48P
 Branston, N.M., Bentivoglio, P., Momma, F. and Symon, L., Changes in pyramidal tract conduction with experimental brain-stem ischaemia in the monkey, 469
 Brenière, Y., see Do, M.C., 448
 Brenner, M., 3P
 Brenner, R.P., Reynolds, III, C.F. and Ulrich, R.F., Diagnostic efficacy of computerized spectral versus visual EEG analysis in elderly normal, demented and depressed subjects, 110
 Brey, R.L., 96P
 Brezinova, V., 72P
 Brezionova, V., 43P
 Bridgers, S.L., 81P
 Bridwell, K., 76P, 82P, 83P, 88P
 Bromberg, A.V., 86P
 Brooks, D.J., 73P
 Brown, F.F., see Fein, G., 581
 Brückmann, H., 9P
 Brückmann, H., see Ferbert, A., 136
 Brune, G.G., 13P
 Brunia, C.H.M. and Damen, E.J.P., Distribution of slow brain potentials related to motor preparation and stimulus anticipation in a time estimation task, 234
 Brunko, E., see Zegers de Beyl, D., 313
 Bryère, P., see Fukuda, H., 363
 Büchele, W., 3P
 Buchner, H., 9P
 Buchner, H., see Ferbert, A., 136
 Buchner, H., Ferbert, A. and Hacke, W., Serial recording of median nerve stimulated subcortical somatosensory evoked potentials (SEPs) in developing brain death, 14
 Buchwald, J.S., see Harrison, J.B., 55
 Bühler, B., 4P
 Buchfiel, J.L., 49P, 51P
 Butcher, L.L., see Harrison, J.B., 55
 Butler, S.R., 40P
 Büttner, U., 4P

 Caspers, H., 21P
 Castellanos, F., 69P
 Castilla, J., 69P
 Castilla, J.M., 69P
 Castilla, T., 69P
 Castillo, H., 33P
 Cayaffa, J., 77P
 Chauplannaz, G., 56P
 Cheliout-Heraut, F., 54P
 Chesser, M.Z., 93P
 Chiappa, K.H., see Oken, B.S., 191
 Chokroverty, S., 84P
 Chopard, J.L., 56P
 Chu, A., 86P
 Claassen, U., 4P
 Claus, D., 72P
 Claus, D., Mills, K.R. and Murray, N.M.F., The influence of vibration on the excitability of alpha motoneurons, 431
 Cobo, G., 70P
 Coelho, M., 42P, 43P
 Cohen, L.G. and Hallett, M., Methodology for non-invasive mapping of human motor cortex with electrical stimulation, 403
 Cohn, R., 30P, 31P, 86P
 Colognola, R.M., 51P
 Colon, E.J., 38P
 Compton, M.N., 81P
 Conrad, B., 19P, 27P
 Conrad, B., see Benecke, R., 412
 Cook, Y., 92P
 Cooper, R., see McCallum, W.C., 453
 Cooper, R.A., 74P
 Coppola, C., 77P
 Coral, R., 73P
 Coumaros, D., 53P
 Cox, J., 76P, 82P, 88P
 Cracco, J.B., 79P, 86P, 87P
 Cracco, R.Q., 79P, 83P, 86P, 88P
 Crevits, L., 37P
 Crooks, B., 40P
 Cucchi, G., 56P
 Curio, G. and Oppel, F., Intraparenchymatous ponto-mesencephalic field distribution of brain-stem auditory evoked potentials in man, 259
 Cyr, L., 51P

 Damen, E.J.P., see Brunia, C.H.M., 234
 Daniel, D., 77P
 Dannheim, F., 28P
 Darcey, T.M., 89P
 Dasheiff, R.M., 80P
 Daube, J.R., 92P
 Davies, M.B., see Berg, P., 1
 De Bisschop, G., 57P
 De la Calzada, M.D., 67P
 De la Serna, J., 70P
 De la Vega, J.M., 69P

- De Leijer, T., 46P
 De Luca, C.J. and Merletti, R., Surface myoelectric signal cross-talk among muscles of the leg, 568
 De Rijke, W., 36P
 De Ryck, M., see Wauquier, A., 550
 De Sonnevile, L.M.J., 61P
 De Swarte, M., 53P
 Dean Hart, J.C., 73P
 Declerck, A.C., 46P
 Degen, H.-E., 5P
 Degen, R., 5P
 Deiber, M.P., 55P
 Delecluse, F., see Zegers de Beyl, D., 313
 Delgado, M., 55P
 Delpont, E., 53P
 Deneault, L.G., 83P
 Dengler, R., 5P
 Denio, L.C., 91P
 Desai, S.A., 48P
 Deuschl, G., 5P, 6P
 Dhanesha, U., 41P
 Dichgans, J., 3P, 6P, 10P, 15P, 19P
 Dickens, Q.S., 84P
 Dickinson, J., 40P
 Diekmann, V., 26P
 Diener, H.C., 3P, 6P
 Dietz, V., 4P, 7P
 Diez Cuervo, A., 69P
 Dillmann, U., 7P
 Dini, J., 66P
 Dinner, D.S., 86P
 Director, K.L., 84P
 Do, M.C., Brenière, Y. and Bouisset, S., Compensatory reactions in forward fall: are they initiated by stretch receptors?, 448
 Docherty, T.B., 72P
 Doerr, M., 7P
 Dogs, W., 13P
 Dolisi, C., 53P
 Domino, E.F., 95P
 Dorsey, S., 93P
 Dowman, R., see Wolpaw, J.R., 394, 398
 Drake, Jr., M.E., 32P, 33P, 91P
 Drasdo, N., 40P, 43P
 Dugovic, C., see Bes, F., 501
 Dussack, L.G., 87P
 Dustman, R., 88P

 Ebersole, J.S., 81P
 Ebner, A., 7P
 Edgar, M.A., 72P
 Edmonds, Jr., H.L., 92P
 Edwards, L., 40P
 Eikelboom, B.C., 37P
 Elger, C.E., 8P, 18P, 19P
 Elie, B., 55P
 Emerson, R.G., 77P, 91P

 Emmerson, R., 88P
 Emmert, H., 8P
 Emser, W., 2P, 3P
 Erba, G., 48P, 51P
 Eriksen, K.J., 87P, 96P
 Erwin, C.W., 79P, 81P, 82P
 Erwin, R.J., see Shewmon, D.A., 319, 338
 Esnault, S., 53P
 Espinar, J., 68P
 Etevenon, P., 35P

 Fagioli, I., see Bes, F., 501
 Fehlings, M.G., Tator, C.H., Linden, R.D. and Piper, I.R., Motor and somatosensory evoked potentials recorded from the rat, 65
 Fehm, H.L., 5P
 Fein, G., Raz, J., Brown, F.F. and Merrin, E.L., Common reference coherence data are confounded by power and phase effects, 581
 Feinsod, M., 60P
 Feistner, H., 8P, 27P
 Fenelon, B., see Neill, R.A., 209
 Fenwick, P., 71P
 Ferbert, A., 9P
 Ferbert, A., see Buchner, H., 14
 Ferbert, A., Buchner, H., Brückmann, H., Zeumer, H. and Hacke, W., Evoked potentials in basilar artery thrombosis: correlation with clinical and angiographic findings, 136
 Fernández, M.D., 64P
 Fernández-González, F., 66P
 Fikrig, S., 87P
 Findley, L.J., 71P
 Finnegan, A., 59P
 Fisch, B.J., Pedley, T.A. and Keller, D.L., A topographic background symmetry display for comparison with routine EEG, 491
 Fischer, P.-A., 15P
 Fish, D.R., 73P
 Fitzpatrick, J., see Hogan, K., 79
 Flügel, K.A., 8P
 Foley, C.M., 95P
 Fowler, B., Kelso, B., Landolt, J. and Porlier, G., The effects of nitrous oxide on P300 and reaction time, 171
 Fowler, C.J., 71P
 Fox, G., 33P
 Franc, B., see Bes, F., 501
 Franco, C., 68P
 Frazier, D.T., 82P
 Frech, M.M., 26P
 Frenay, J., 38P
 French, J., 95P
 Fresmann, J., 24P
 Freund, H.-J., 10P, 12P, 18P
 Friedrich-Jänicke, B., 11P
 Fromm, G.H., 31P
 Frost, Jr., J.D., 93P
 Frost, Jr., J.D., see Veregge, S., 34

- Fukuda, H., Valin, A., Bryère, P., Riche, D., Wada, J.A. and Naquet, R., Role of the forebrain commissure and hemispheric independence in photosensitive response of epileptic baboon, *Papio papio*, 363
- Furlong, P., 43P
- Gadea-Ciria, M., 67P
- Gadoth, N., 58P, 59P
- Gaeth, L., 23P
- Galus, C., 95P
- Ganes, T. and Lundar, T., EEG and evoked potentials in comatose patients with severe brain damage, 6
- García de León, M., 66P, 67P, 69P
- García Larrea, L., 55P
- García-Nart, M., 68P
- Gardette-Chauffour, M.C., see Rostain, J.-C., 127
- Gasser, T., Jennen-Steinmetz, C., Sroka, L., Verleger, R. and Möcks, J., Development of the EEG of school-age children and adolescents. II. Topography, 100
- Gasser, T., Verleger, R., Bächer, P. and Sroka, L., Development of the EEG of school-age children and adolescents. I. Analysis of band power, 91
- Gastaut, J.A., 54P
- Gastaut, J.L., 54P
- Gauthier, A., 56P
- Gendron, D., 50P
- Genis, D., 67P
- Gerhard, H., 14P
- Ghilardi, M.F., 31P, 32P
- Giannitrapani, D., 33P
- Giard, M.H., Perrin, F., Pernier, J. and Peronnet, F., Several attention-related wave forms in auditory areas: a topographic study, 371
- Gigli, G.L., 51P
- Gilmore, R., 92P
- Gilmore, R.L., 82P
- Gimeno, V., 67P
- Glass, A., 40P
- Glass, P., 78P
- Glaze, D.G., 93P
- Gloor, P., 49P, 80P
- Glover, A., 32P
- Gobbi, G., 51P
- Göhmann, M., see Benecke, R., 412
- Gómez Siurana, E., 69P
- González-Hidalgo, M., 68P
- González Sanz, L., 66P, 67P, 69P
- Goodin, D.S., 81P
- Goodin, D.S., see Reisin, R.C., 585
- Gordon, C.R., 58P
- Gössling, J.H., 19P
- Gotman, J., 89P
- Gourret, J.P., see Rostain, J.-C., 127
- Grabmair, W., 9P, 27P
- Grant, D.H., 30P
- Grasser, Th., 13P
- Gravenstein, M., see Hogan, K., 277
- Graziani, L.J., 48P
- Greulich, W., 16P
- Grobe, Th., 9P
- Gröger, P., 17P
- Gross, B., 59P
- Grosveld, W.H.J.M., 37P
- Grottemeyer, K.-H., 9P, 13P
- Grözing, B., 17P, 26P
- Gruber, L.J., 49P
- Guieu, J.-D., 53P, 55P
- Guiheneuc, P., 54P, 55P
- Guilleminault, C., 64P
- Gumery, P.Y., 55P
- Gundel, A., 23P
- Gutjahr, L., 21P, 26P
- Gutrecht, J.A., 93P
- Gutterman, A., 80P
- Haag, C., 11P, 17P
- Hacke, W., 9P
- Hacke, W., see Buchner, H., 14
- Hacke, W., see Ferbert, A., 136
- Haenen, H.T.M., 46P
- Hahn, L., 13P
- Häkkinen, V.K., 45P
- Halász, P., see Ujász, J., 516
- Hallett, M., see Cohen, L.G., 403
- Halonen, J.-P., 41P, 45P, 72P
- Halonen, P., 71P
- Hamburger, H.L., 37P
- Hamidou, M., 56P
- Handley, J.A., 74P
- Hannam, J.M., see Seyal, M., 390
- Hansotia, P., 77P
- Harding, A.E., 42P, 72P
- Harding, G.F.A., 41P
- Harel, D., 59P
- Hari, R., see Mäkelä, J.P., 423
- Harley, J., 72P
- Harner, R.N., 30P
- Harrison, J.B., Buchwald, J.S., Kaga, K., Woolf, N.J. and Butcher, L.L., 'Cat P300' disappears after septal lesions, 55
- Hartmann, F., 56P
- Hartwell, J.W., 82P
- Hassan, N.F., 86P
- Hassanein, R.S., 79P
- Haupt, W.F., 10P, 14P
- Heath, P.D., 74P
- Hefter, H., 10P, 12P, 18P
- Hegerl, U., 10P
- Heide, W., 10P
- Heikkilä, H.T., 45P
- Hein-Langefeld, S., 14P
- Heinze, H.J., 8P, 11P, 20P, 27P
- Heldwein, W., 22P
- Henkes, H., 11P
- Henry, K.R., Effects of acoustic and sensory variables on masking tuning curves of the offset auditory brain-stem response in the rodent, 476

- Hess, C.W., 11P, 72P
 Hicks, E., 48P
 Hielscher, H., 20P
 Hirsch, E., 53P
 Hirschberg, M., 11P, 12P
 Hittelman, J., 87P
 Ho, S., 77P
 Hofferberth, B., 11P, 12P
 Hoffmann, H.G., 11P
 Hogan, K. and Fitzpatrick, J., The cerebral origin of the alpha rhythm, 79
 Hogan, K., Gravenstein, M. and Sasse, F., Effects of halothane dose and stimulus rate on canine spinal, far-field and near-field somatosensory evoked potentials, 277
 Hogan, T., 78P
 Hoke, M., see Pantev, C., 160
 Holder, G.E., 72P
 Holgado, C., 69P
 Holl, G., 12P
 Holmes, G.L., 92P
 Hömberg, V., 12P
 Honigsberger, L., 73P
 Hooijer, C., 62P
 Hooshmand, H., 84P
 Hort-Legrand, C., 55P
 Hotson, G., 87P
 Hrachovy, R.A., 93P
 Huber, S.J., 91P
 Hufnagl, J.M., 12P
 Hughes, J.R., 85P, 86P
 Hughes, M., 78P
 Hugon, J., 18P, 19P
 Hurtevent, J.-F., 53P, 55P
 Hurth, M., 55P
 Husstedt, I., 18P
 Husstedt, I.W., 9P, 13P
 Hwang, P.A., 51P

 Ibañez, V., 55P
 Ibarra, M.J., 66P
 Imeri, L., Moneta, M.E. and Mancina, M., Changes in spontaneous activity of medialis dorsalis thalamic neurones during sleep and wakefulness, 82
 Ives, J.R., 49P
 Ives, J.R. and Schomer, D.L., A 6-pole filter for improving the readability of muscle contaminated EEGs, 486
 Ivry, R., 6P
 Iyer, V., 92P

 Jabbari, B., 86P
 Jacome, D.E., 79P, 90P
 Jahnhofer, G., 16P
 Jamal, G., 71P
 Janati, A., 93P
 Janssen, P., see Wauquier, A., 550
 Jäntti, V., 45P
 Jayakar, P., 81P
 Jayakar, P.B., see Shwedyk, E., 589
 Jeavons, P.M., 41P
 Jeffreys, D.A., 40P
 Jennen-Steinmetz, C., see Gasser, T., 100
 Jervis, B.W., 42P, 43P
 Jesel, M., 53P
 John, E.R., 85P
 Johnson, K., 92P
 Jones, L.A., 74P
 Jones, S.J., 41P, 45P, 72P
 Jonkman, J., 46P
 Joosten, E.M.G., 61P
 Jounela, A., 44P
 Jovanović, U.J., 13P
 Jürgens, R., 4P

 Kaga, K., see Harrison, J.B., 55
 Kameyama, S., 84P
 Kamimura, N., see Tomita, Y., 199
 Karbe, H., 14P
 Karpati, G., 50P
 Karson, C., 77P
 Katz, A., 58P
 Kaukemüller, J., 17P
 Keele, S., 6P
 Keener, T., 92P
 Keidel, M., 13P, 14P
 Keidel, W.-D., 13P, 14P
 Kellaway, P., 93P
 Keller, D.L., see Fisch, B.J., 491
 Kelly, J.J., 92P
 Kelso, B., see Fowler, B., 171
 Kendall, B.E., 73P
 Kenney, S., 40P
 Kerlan, V., 56P
 Khalil, R., 54P
 Kimura, J., 84P
 King, D.W., 89P
 Klös, G., 15P
 Klotz, P., 16P
 Kockott, G., 13P
 Koenig, E., 10P, 15P, 19P
 Kohrman, M.H., 85P, 86P
 Kommerell, G., 15P
 Kömpf, D., 15P
 Kooijman, A.C., 62P
 Korczyn, A.D., 58P
 Kornhuber, A.W., 16P, 17P
 Kornhuber, H.H., 16P, 17P, 26P
 Kouijzer, W.J.J., 35P
 Kountouris, D., 16P
 Kovala, T., 44P, 45P
 Kowell, A.P., 85P
 Kraaier, V., 61P
 Kraaier, V., Van Huffelen, A.C. and Wieneke, G.H., Quantitative EEG changes due to hypobaric hypoxia in normal subjects, 303

- Krämer, G., 7P
 Kraus, P.H., 16P
 Krause, K.H., 4P
 Kreuzer, J., 95P
 Kriebel, J., 17P
 Krieglsteiner, S., 21P
 Kronk, L., 83P
 Kubicki, St., 11P, 23P
 Kudina, L.P., Excitability of firing motoneurons tested by Ia afferent volleys in human triceps surae, 576
 Kudina, L.P. and Pantseva, R.E., Recurrent inhibition of firing motoneurons in man, 179
 Kügler, C.F.A., 24P
 Kuks, J.B.M., Vos, J.E. and O'Brien, M.J., EEG coherence functions for normal newborns in relation to their sleep state, 295
 Künkel, H., 11P, 20P, 27P
 Kunze, K., 2P, 28P
 Kupersmith, M., 32P
 Kurtzberg, D., 95P
 Kutas, M., Van Petten, C. and Besson, M., Event-related potential asymmetries during the reading of sentences, 218
 Kuzniecky, R., 50P
- Labar, D.R., 91P
 Lai, C.W., 79P
 Lambert, G.A., see Adams, R.W., 45
 Lamblin, M.-D., 53P, 55P
 Lance, J.W., see Adams, R.W., 45
 Lanczos, L., 21P
 Landolt, J., see Fowler, B., 171
 Lang, A.H., 44P
 Lang, M., 16P, 17P
 Lang, W., 16P, 17P
 Lardelli, A., 64P
 Lardelli-Claret, A., 68P
 Laschinger, J., 76P, 82P, 88P
 Lawson, J.A., 37P
 Lechner, H., 9P, 27P
 Lee, M.H., 49P
 Lefur, J.M., 56P
 Lehmann, H.J., 23P
 Lehmenkühler, A., 21P
 Lehmkuhl, P., 17P
 Lehnertz, K., see Pantev, C., 160
 Leinonen, J., see Mäkelä, J.P., 423
 Le Mevel, J.C., 56P
 Lemieux, J.F., see Blume, W.T., 508
 Lentini, F., 38P
 Lerman, P., 59P
 Leroy, J.P., 53P
 Lesser, R.P., 86P
 Levy, P., 55P
 Lewis, T.T., 73P
 Liberson, W.T., 30P
 Lidsky, A., 49P
 Lieb, J.P., 89P
- Linden, R.D., see Fehlings, M.G., 65
 Links, T.P., 46P
 Lips, U., 17P, 18P
 Liss, L., 32P
 Lodemann, E., 21P
 Logar, Ch., 9P, 27P
 Logigian, E., 10P, 18P
 Lopes da Silva, F.H., 35P
 López Agreda, J.M., 64P
 López Arenas, P., 64P
 Lopez Gomez, L., 69P
 López Muñoz, J., 64P
 Lösslein, H., 24P
 Louboutin, J.P., 55P
 Loula, P., 45P
 Lowitzsch, K., 18P
 Lucas, R., 69P
 Lücking, C.H., 5P, 6P
 Lüder, G., 7P
 Lüders, H., 86P
 Ludolph, A., 18P
 Ludolph, A.C., 8P, 18P, 19P
 Lundar, T., see Ganes, T., 6
 Lütkenhöner, B., see Pantev, C., 160
- Mabin, D., 53P, 56P
 Maccabee, P.J., 83P, 86P
 MacEwen, G.D., 76P
 Mack, Y.P., see Seyal, M., 390
 Maeztu, C., 70P
 Magistris, M.R., 49P
 Mainwaring, N.R., 49P
 Maister, B., 48P, 51P
 Mäkelä, J.P., Hari, R. and Leinonen, L., Magnetic responses of the human auditory cortex to noise/square wave transitions, 423
 Mancina, M., see Imeri, L., 82
 Mann, K., 19P
 Mantle, M.M., see Reisin, R.C., 585
 Mariss, G., 20P
 Markham, C.H., see Abdel-Malek, A., 24
 Marks, H.G., 76P
 Marmarelis, P.Z., see Abdel-Malek, A., 24
 Marmarelis, V.Z., see Abdel-Malek, A., 24
 Marquardt, J., 23P
 Marquez, J., 66P
 Marsh, G.R., 79P, 81P
 Marshall, D.W., 96P
 Martinez-Coterilla, M.A., 68P
 Martinez de Haro, V., 66P
 Martinez López-Coterilla, M.A., 64P
 Martinović, Z., 73P
 Marx, M.S., 31P, 32P
 Massarino, R., 54P
 Massey, A.D., 79P
 Massion, J., 54P
 Matsuo, F., 90P

- Matsuoka, S., see Wada, S., 148
 Mauguière, F., 55P
 Maurer, K., 19P
 McCallum, W.C., Cooper, R. and Pocock, P.V., Brain slow potential and ERP changes associated with operator load in a visual tracking task, 453
 McLellan, D.L., 41P
 Megnie, B., 53P
 Meienberg, O., 19P
 Meignie, B., 55P
 Meinck, H.-M., 19P, 27P
 Meites, I., 58P
 Melis, W., see Wauquier, A., 550
 Merletti, R., see De Luca, C.J., 568
 Merrin, E.L., see Fein, G., 581
 Métral, S., 55P
 Mewe, R., 8P
 Meyer, B.-U., see Benecke, R., 412
 Mills, K.R., 11P, 72P
 Mills, K.R., see Claus, D., 431
 Miquel, F., 67P
 Möcks, J., see Gasser, T., 100
 Mohr, J., 91P
 Momma, F., see Branston, N.M., 469
 Moneta, M.E., see Imeri, L., 82
 Moody, E.B., 84P
 Moreno, I., 66P
 Morgan, G.W., 42P, 43P
 Morich, J., 19P
 Morilla-Pastor, D., 96P
 Morlock, G., 56P
 Morris, H.H., 86P
 Morse, M.W., 96P
 Moser, F., 27P
 Moulin, T., 56P
 Mouradian, M.S., 49P
 Müller, W., 22P
 Müller-Jensen, A., 26P
 Müller-Oerlinghausen, B., 10P
 Münte, T.F., 11P, 20P
 Murphy, F., 40P
 Murray, N.M.F., 11P, 72P
 Murray, N.M.F., see Claus, D., 431
 Musselwhite, M.J., 40P
 Myers, R., 30P
 Myers, R.W., 86P
 Myslobodsky, M., 77P

 Näätänen, R., Sams, M., Alho, K., Paavilainen, P., Reinikainen, K. and Sokolov, E.N., Frequency and location specificity of the human vertex N1 wave, 523
 Nandedkar, S.D., Barkhaus, P.E., Sanders, D.B. and Stålberg, E.V., Analysis of amplitude and area of concentric needle EMG motor unit action potentials, 561
 Naquet, R., see Fukuda, H., 363
 Naquet, R., see Rostain, J.-C., 127
 Naylor, D., 90P

 Neill, R.A. and Fenelon, B., Scalp response topography to dynamic random dot stereograms, 209
 Nelson, J., 32P
 Neufeld, M.Y., 59P
 Neunzig, H.-P., 28P
 Nieber, D., 20P
 Niedermeyer, E., 31P
 Nielsen, C., 83P, 88P
 Nieto, E., 70P
 Nisipeanu, P., 59P
 Nitsch, J., 26P
 Nix, W., 7P, 25P
 Njiokiktjien, Ch., 61P
 Norcross, K., 87P
 Novak, G., 95P
 Nowack, W.J., 93P
 Nunez, P.L., 78P
 Nunn, P.B., 18P
 Nuwer, M.R., 85P
 Nuwer, M.R., Frequency analysis and topographic mapping of EEG and evoked potentials in epilepsy, 118

 Oakley, M., 76P
 O'Brien, M.J., see Kuks, J.B.M., 295
 Ochs, R.F., 77P
 Oken, B.S. and Chiappa, K.H., Short-term variability in EEG frequency analysis, 191
 Olbrich, H.M., 21P
 Olesti Marco, M., 66P
 Olivier, A., 80P
 Oller F-V, L., 65P
 Olney, R.K., 82P
 Olson, S., 77P
 Ongerboer de Visser, B., 37P
 Onofri, M., 32P
 Oosterhuis, H.J.G., 46P
 Oppel, F., see Curio, G., 259
 Ortega, J., 67P
 Ortiz, T., 65P
 Otte, G., 38P
 Owen, J., 76P, 82P, 83P, 88P

 Paavilainen, P., see Näätänen, R., 523
 Paepcke, U., 23P
 Pages, M., 56P
 Pakalnis, A., 32P, 91P
 Palacín, L., 70P
 Palma, G.A., see Seyal, M., 390
 Palomero, A., 70P
 Pandit, S.K., 95P
 Pantev, C., Hoke, M., Lehnertz, K., Lütkenhöner, B., Anogianakis, G. and Wittkowski, W., Tonotopic organization of the human auditory cortex revealed by transient auditory evoked magnetic fields, 160
 Pantseva, R.E., see Kudina, L.P., 179
 Papakostopoulos, D., 73P
 Papy, J.J., 56P

- Parrino, L., see Terzano, M., 437
 Parry, G.J., 82P
 Pasqual, I., 66P
 Pasto, M.E., 48P
 Patel, R., 92P
 Patrick, J.P., 81P
 Pazos, F., 70P
 Pedley, T.A., 77P, 91P
 Pedley, T.A., see Fisch, B.J., 491
 Pekkonen, E., 45P
 Pelissier, J.F., 53P
 Pellissier, J.F., 54P
 Peraita, R., 64P
 Permann, R., 27P
 Pernier, J., see Giard, M.H., 371
 Pernier, J., Perrin, F. and Bertrand, O., Scalp current density fields: concept and properties, 385
 Peronnet, F., see Giard, M.H., 371
 Perrin, F., see Giard, M.H., 371
 Perrin, F., see Pernier, J., 385
 Petsche, H., 21P, 22P
 Petty, G.W., 91P
 Peuhkurinen, K.J., 44P
 Pfeifer, B., 25P
 Pham Dinh, T., 55P
 Phillips, B., 92P
 Piatt, J., 51P
 Pichlmayr, I., 17P, 18P
 Pichlmayr, R., 17P
 Pierlovisi-Lavaivre, M., 57P
 Pietschker, K., 21P
 Pilgreen, K.L., 78P
 Pinhas-Hamiel, O., 58P
 Piper, I.R., see Fehlings, M.G., 65
 Pockberger, H., 21P, 22P
 Pocock, P.V., see McCallum, W.C., 453
 Pohl, S., 17P
 Pohorecki, R., 95P
 Pongratz, D., 22P
 Pöppelmann, Th., 21P
 Pöppel, S.J., 14P
 Porlier, G., see Fowler, B., 171
 Porst, H., 24P
 Posthumus Meyjes, F., 37P
 Powell, T.E., 41P
 Prasher, D.K., 71P
 Prass, D., 17P, 21P
 Pratt, H., 58P
 Prichep, L.S., 85P
 Przuntek, H., 16P
 Put, T., 39P
 Quera, M.A., 64P
 Quesney, L.F., 50P, 80P
 Quezel, G., 55P
 Quintern, J., 4P, 7P
 Rabe, A., 49P
 Räder, K., 27P
 Radfar, F., 84P
 Ramirez Pérez, A., 64P, 68P
 Ramsay, R.E., 80P
 Ransford, A.O., 72P
 Rappelsberger, P., 21P, 22P
 Raskin, N.H., 82P
 Rau, G., 22P
 Rautakorpi, I., 44P
 Raz, J., see Fein, G., 581
 Reid, K.H., 92P
 Reiher, J., 50P, 96P
 Reimers, C.D., 22P
 Reiners, K., 10P, 18P, 22P
 Reinikainen, K., see Näätänen, R., 523
 Reisin, R.C., Goodin, D.S., Aminoff, M.J. and Mantle, M.M., Recovery of peripheral and central responses to median nerve stimulation, 585
 Resillez, M., 80P
 Reucher, H., 22P
 Reuter, S., 22P
 Reveler, M.J., 85P
 Revelette, W.R., 82P
 Rey, M., 56P
 Reynolds, III, C.F., see Brenner, R.P., 110
 Riche, D., see Fukuda, H., 363
 Richter, U., 12P
 Riggio, S., 31P
 Rimpel, J., 23P
 Ring, H., 59P
 Rinne, R., 44P
 Ritter, W., Simson, R. and Vaughan, Jr., H.G., Effects of the amount of stimulus information processed on negative event-related potentials, 244
 Riviello, Jr., J.J., 76P, 95P
 Rodin, E., 48P
 Rodnitzky, R.L., 84P
 Roig, M., 66P
 Röschke, J., 2P
 Rostain, J.-C., Gardette-Chauffour, M.C., Gourret, J.P. and Naquet, R., Sleep disturbances in man during different compression profiles up to 62 bars in helium-oxygen mixture, 127
 Roth, B.J., see Wikswo, Jr., J.P., 266
 Roth, Ch., 5P
 Roy, D.N., 18P
 Rubinstein, A., 60P
 Ruggles, K., 77P
 Russi, A., 65P
 Saez de Argandoña, I., 70P
 Sagalés, M.T., 67P
 Salinas, J., 68P
 Salomez, J.-L., 53P
 Salzarulo, P., see Bes, F., 501
 Sams, M., see Näätänen, R., 523

- Sánchez, M.E., 65P
 Sánchez-Badia, J.L., 66P
 Sanders, D.B., see Nandedkar, S.D., 561
 Sandhu, L.S., see Seyal, M., 390
 Sarova-Pinhas, I., 58P
 Sasse, F., see Hogan, K., 277
 Sazbon, L., 58P
 Schaul, N., 51P
 Schenck, E., 6P
 Scherb, W., 26P
 Scheuler, W., 11P, 23P
 Schiffter, R., 26P
 Schimrigk, K., 2P, 3P
 Schlake, H.P., 9P, 13P
 Schlatter, M., 86P
 Schmidt-Achert, M., 22P
 Schmitt, F., 92P
 Schmitt, H.-J., 7P
 Schneider, G., 9P
 Schneider, J., 22P
 Schnurbus, R., 11P
 Schoenecker, P., 76P
 Scholz, E., 6P
 Scholz, G., 23P
 Scholz, M., 20P, 27P
 Schomer, D.L., 49P
 Schomer, D.L., see Ives, J.R., 486
 Schrader, V., 15P
 Schultz, A., 18P
 Schulz, H., see Bes, F., 501
 Schütt, A., 2P
 Schwind, M., 24P
 Sedgwick, E.M., 72P
 Seiple, W., 32P
 Seshia, S.S., 81P
 Seshia, S.S., see Shwedyk, E., 589
 Seyal, M., Palma, G.A., Sandhu, L.S., Mack, Y.P. and Han-
 nam, J.M., Spinal somatosensory evoked potentials follow-
 ing segmental sensory stimulation. A direct measure of
 dorsal root function, 390
 Sgro, J.A., 77P
 Sharbrough, F.W., 91P, 92P
 Shawkat, F., 41P, 45P
 Shearer, D., 88P
 Sherwin, I., 33P
 Shewmon, D.A., 95P
 Shewmon, D.A. and Erwin, R.J., The effect of focal interictal
 spikes on perception and reaction time. I. General consid-
 erations, 319
 Shewmon, D.A. and Erwin, R.J., The effect of focal interictal
 spikes on perception and reaction time. II. Neuroanatomic
 specificity, 338
 Shibuya, T., 31P
 Simon, S., 76P, 82P, 83P, 88P
 Shimozawa, N., see Tomita, Y., 199
 Shors, T.J., 87P
 Shwedyk, E., 81P
 Shwedyk, E., Xiong, F., Jayakar, P.B. and Seshia, S.S., Filter-
 ing characteristics of ambulatory EEG recording systems,
 589
 Sieben, G., 38P
 Sijben-Kiggen, R., 46P
 Silny, J., 22P
 Simon, M., 53P
 Simson, R., see Ritter, W., 244
 Sitzoglou, K., 71P
 Skiba, N., 8P
 Smith, G.K., see Suzuki, S.S., 532, 541
 Smith, I.S., 73P
 Smith, S.J.M., 42P
 Snyder, J.V., 83P
 So, E., 77P
 So, N., 50P
 Soar, J.S., 41P
 Sokolov, E.N., see Näätänen, R., 523
 Solzi, P., 58P
 Sorel, L., 36P
 Soustiel, J.F., 60P
 Spaggiari, M.C., see Terzano, M., 437
 Speckmann, E.-J., 26P
 Speckmann, E.-J., see Walden, J., 353
 Spencer, P.S., 18P
 Sroka, L., see Gasser, T., 91, 100
 Stålberg, E.V., see Nandedkar, S.D., 561
 Staton, M.L., 86P
 Stegeman, D.F., 38P, 61P
 Steinhaus, L., 88P
 Steinvil, Y., 58P
 Steller, U., 23P
 Stolz, G., 23P
 Stone, T.W., see Addae, J.I., 186
 Straschill, M., 12P
 Streletz, L.J., 48P
 Streng, H., 23P
 Struppler, A., 5P
 Suarez, G., 70P
 Suarez, M., 79P
 Suárez, T., 66P
 Suisse, G., 53P
 Sundaram, M., 78P
 Suzuki, S.S. and Smith, G.K., Spontaneous EEG spikes in the
 normal hippocampus. II. Relations to synchronous burst
 discharges, 532
 Suzuki, S.S. and Smith, G.K., Spontaneous EEG spikes in the
 normal hippocampus. III. Relations to evoked potentials,
 541
 Symon, L., see Braunston, N.M., 469
 Tabary, J.C., 54P
 Tackmann, W., 4P, 24P
 Taghavy, A., 24P
 Takao, A., see Tatsuno, J., 287
 Takashima, S., see Tomita, Y., 199
 Takeshita, K., see Tomita, Y., 199

- Talecki, B., 30P
 Tanaka, T., see Tomita, Y., 199
 Tannier, C., 56P
 Tardieu, C., 54P
 Tator, C.H., see Fehlings, M.G., 65
 Tatsuno, J., Ashida, H. and Takao, A., Objective evaluation of differences in patterns of EEG topographical maps by Mahalanobis distance, 287
 Tea, S.H., 53P
 Terrence, C.F., 31P
 Terzano, M., Parrino, L. and Spaggiari, M.C., The cyclic alternating pattern sequences in the dynamic organization of sleep, 437
 Tettenborn, B., 25P
 Thielen, T., 2P
 Thielle, B., 25P
 Thoden, U., 7P
 Thomas, P.K., 72P
 Thompson, J.L., 92P
 Thron, A., 15P
 Tirsch, W.S., 14P
 Toivakka, E.I., 44P
 Toledano, M.A., 68P
 Tolonen, U., 45P
 Tomita, Y., Tanaka, T., Kamimura, N., Shimozawa, N., Takashima, S. and Takeshita, K., Origin and clinical significance of subcortical components in short-latency somatosensory evoked potentials in children, 199
 Tönjes, W., 3P
 Triglia, J.M., 57P
 Tzanakou, E., 84P

 Udani, V., 79P, 87P
 Ugarte, J., 69P
 Ujszászi, J. and Halász, P., Long latency evoked potential components in human slow wave sleep, 516
 Ulrich, G., 10P
 Ulrich, R.F., see Brenner, R.P., 110
 Urasaki, E., see Wada, S., 148
 Urban, E., 86P
 Us, O., 72P

 Valente, M., 51P
 Valin, A., see Fukuda, H., 363
 Valls, A., 68P
 Van den Broeck, W., see Wauquier, A., 550
 Van der Werf, A.J.M., 62P
 Van Huffelen, A.C., 61P
 Van Huffelen, A.C., see Kraaier, V., 303
 Van Loon, J., see Wauquier, A., 550
 Van Oostvelt, P., 38P
 Van Petten, C., see Kutas, M., 218
 Van Weerden, T.W., 46P
 Vaughan, H., 95P
 Vaughan, Jr., H.G., see Ritter, W., 244
 Vecchierini-Bliveau, M.F., 54P
 Veilleux, M., 91P, 92P
 Velasco, F., 94P
 Velasco, M., 94P
 Velis, D.N., 62P
 Ventura, J., 69P
 Verbanck, P., see Zegers de Beyl, D., 313
 Veregge, S. and Frost, Jr., J.D., Relationship between single-unit activity and the electroencephalogram in a neocortical, cobalt-induced epileptogenic focus, 34
 Verleger, R., see Gasser, T., 91, 100
 Verma, N.P., 87P
 Vial, C., 56P
 Viallet, F., 54P
 Victoria, J., 70P
 Viehbeck, W., 25P
 Vila, A., 55P
 Vilchez, J.J., 69P
 Villemin, B., 53P
 Visser, S.L., 36P, 61P, 62P
 Vogel, P., 4P, 24P
 Vogt, T., 25P
 Von Czettritz, G., 25P
 Von Klitzing, L., 14P
 Vonofakos, D., 15P
 Vos, J.E., see Kuks, J.B.M., 295

 Wada, J.A., see Fukuda, H., 363
 Wada, S., Matsuoka, S., Urasaki, E. and Yadomi, C., Quantitative analysis of reversible dysfunction of brain-stem midline structures caused by disturbance of basilar artery blood flow with the auditory brain-stem responses, 148
 Walden, J. and Speckmann, E.-J., Suppression of recurrent generalized tonic-clonic discharges by intraventricular perfusion of a calcium antagonist, 353
 Walden, J., 26P
 Wanszelbaum, A., 55P
 Warter, J.M., 53P
 Wauquier, A., De Ryck, M., Van den Broeck, W., Van Loon, J., Melis, W. and Janssen, P., Relationships between quantitative EEG measures and pharmacodynamics of alfentanil in dogs, 550
 Weinmann, H.-M., 25P
 Weiss, I.P., 78P
 Weiss, K.H., 23P
 Weissenborn, K., 8P, 27P
 Weithäuser, H., 2P
 Welkoborsky, H.-J., 18P
 Wessel, K., 6P
 Westmoreland, B.F., 91P, 92P
 Westphal, K.P., 26P
 Wieditz, G., 27P
 Wieneke, G.H., 61P
 Wieneke, G.H., see Kraaier, V., 303
 Wieselmann, G., 9P, 27P
 Wikswo, Jr., J.P. and Roth, B.J., Magnetic determination of the spatial extent of a single current source: a theoretical analysis, 266
 Wilkinson, J.A., 72P

- Wilson, R., 82P
Winter, A.L., 42P
Wissel, J., 26P
Wittkowski, W., see Pantev, C., 160
Wolf, W., 5P, 26P
Wolpaw, J.R. and Dowman, R., Spinal stretch reflex and cortical evoked potential amplitudes versus muscle stretch amplitude in the monkey arm, 394
Wolpaw, J.R. and Dowman, R., Operant conditioning of primate spinal reflexes: effect on cortical SEPs, 398
Woolf, N.J., see Harrison, J.B., 55
Wright, K.W., 87P, 96P
Wyllie, E., 86P

Xiong, F., see Shwedyk, E., 589

Yadomi, C., see Wada, S., 148
Yamada, T., 84P

Zaltz, M., 59P
Zangemeister, W., 2P
Zangemeister, W.H., 28P
Zechman, F.W., 82P
Zegers de Beyl, D., Delecluse, F., Verbanck, P., Borenstein, S., Capel, P. and Brunko, E., Somatosensory conduction in vitamin B12 deficiency, 313
Zeumer, H., 9P
Zeumer, H., see Ferbert, A., 136
Ziegler, D.K., 79P
Zilkha, E., 73P
Zschocke, St., 2P, 26P, 28P
Zwarts, M.J., 46P, 62P

Index of Subjects

VOLUME 69, 1988

(Abstracts from Society Proceedings are not included)

- Action potentials
 - and cortically evoked muscle responses, 412
- Age
 - computerized spectral vs. visual EEG analysis, 110
- Alfentanil
 - quantitative EEG measures, 550
- Alpha motoneuron and brain stimulation, 431
- Alpha rhythm, cerebral origin, 79
- Alzheimer's disease
 - computerized spectral vs. visual EEG analysis, 110
- Ambulatory EEG recording systems, filtering, 589
- Amino acids
 - purine receptors modulate SEPs, 186
- Analgesia, nitrous oxide and P300, 171
- Anesthesia
 - halothane effects on canine spinal SEPs, 277
 - nitrous oxide and P300, 171
 - quantitative EEG measures and alfentanil, 550
- Antiepileptic effects of calcium antagonists, 353
- Arousal
 - cyclic alternating pattern sequences in sleep, 437
- Artifact
 - EMG filtering of seizures, 486
 - eyeblink-related potentials, 1
- Attention
 - topographic study of auditory wave forms, 371
- Audition
 - frequency and location specificity of N1 wave, 523
- Auditory brain-stem potentials
 - in basilar artery thrombosis, 136
 - intraparenchymatous BAEP in man, 259
 - offset auditory brain-stem response, 476
 - quantitative analysis of brain-stem dysfunction, 148
- Auditory cortex
 - tonotopic organization in human subjects, 160
 - topographic study of attention wave forms, 371
- Auditory evoked potentials
 - long-latency components in slow wave sleep, 516
 - magnetic auditory fields to sound transitions, 423
- Automatic analysis of night sleep EEG in infants, 501
- Averaging of eyeblink-related potentials, 1
- BAEPs, *see* Auditory brain-stem potentials
- Basilar artery
 - EPs in basilar artery thrombosis, 136
 - quantitative analysis of brain-stem dysfunction, 148
- Behavioral state
 - newborn's EEG coherence and sleep rate, 295
- Benzodiazepines
 - objective evaluation of topographic patterns, 287
- Bilateral synchrony
 - spontaneous EEG spikes in the normal hippocampus, 532, 541
- Blink
 - eyeblink-related potentials, 1
- Book reviews, 85, 291, 495, 594
- Brain death
 - EEG and EPs in comatose patients, 6
 - serial recording of subcortical SEPs, 14
- Brain-stem
 - facilitation of visual cortical response, 45
 - intraparenchymatous BAEP in man, 259
 - pyramidal tract conduction in brain-stem ischemia, 469
 - quantitative analysis of brain-stem dysfunction, 148
 - serial recording of subcortical SEPs in brain death, 14
 - short-latency SEP components in children, 199
- Brain-stem potentials, *see* Auditory brain-stem potentials
- Bursting
 - in the normal hippocampus, 532, 541
- Calcium antagonists
 - suppression of tonic-clonic seizure discharges, 353
- Callosotomy
 - and hemispheric independence in *Papio papio*, 363
- Cerebral cortex
 - analysis of cortically evoked muscle responses, 412
 - brain-stem facilitation of visual cortical response, 45
 - cognitive effect of focal interictal spikes, 319
 - non-invasive human motor cortex mapping, 403
 - purine receptors modulate SEPs, 186
 - spatial extent of a cortical current source, 266
 - specificity of focal spike-induced dysfunction, 338
 - spinal reflex conditioning and cortical SEPs, 398

- suppression of tonic-clonic seizure discharges, 353
- Children
 - development of EEG parameters, 91
 - night sleep EEG in the first year of life, 501
 - subcortical short-latency SEP components, 199
 - topographic development of EEG parameters, 100
- Cholinergic system
 - brain-stem facilitation of visual cortical response, 45
 - cat P30 disappears after septal lesions, 55
- Cognitive effect of focal interictal spikes, 319
- Coherence analysis
 - confounding of common reference data coherence, 581
 - newborn's EEG coherence and sleep rate, 295
 - topographic development of EEG parameters, 100
- Coma
 - EEG and EPs in comatose patients, 6
 - EPs in basilar artery thrombosis, 136
- Compensatory reactions
 - early responses in forward fall, 448
- Conditioning
 - spinal reflex conditioning and cortical SEPs, 398
- Conduction
 - pyramidal tract conduction in brain-stem ischemia, 469
 - SEPs and vitamin B12 deficiency, 313
- Contingent negative variation
 - motor preparation and stimulus anticipation, 234
- Corpus callosum
 - and hemispheric independence in *Papio papio*, 363
- Cortical stimulation
 - analysis of cortically evoked muscle responses, 412
- Current source, *see* Generators
- Cyclic alternating pattern sequences in sleep, 437
- DC recording
 - SPs, ERPs and operator load in a tracking task, 453
- Dementia, depression
 - computerized spectral vs. visual EEG analysis, 110
- Development of EEG parameters, 91, 100
- Diagnosis
 - computerized spectral vs. visual EEG analysis, 110
 - EPs in basilar artery thrombosis, 136
 - serial subcortical SEPs in brain death, 14
- Diazepam
 - objective evaluation of topographic patterns, 287
- Diving, *see* High pressure nervous syndrome
- Dorsal root function and segmental spinal SEPs, 390
- Early components, *see* Short-latency components
- EEG
 - and EP frequency analysis in epilepsy, 118
 - and EPs in comatose patients, 6
 - and unit activity in epilepsy, 34
 - automatic analysis of night sleep EEG in infants, 501
 - bursting in the normal hippocampus, 532, 541
 - cerebral origin of the alpha rhythm, 79
 - computerized spectral vs. visual EEG analysis, 110
 - confounding of common reference data coherence, 581
 - development of EEG parameters, 91
 - filtering of ambulatory EEG recording systems, 589
 - human sleep during He-O₂ compressions, 127
 - in hypobaric hypoxia, 303
 - newborn's EEG coherence and sleep rate, 295
 - objective evaluation of topographic patterns, 287
 - quantitative EEG measures and alfentanil, 550
 - scalp current density fields, 385
 - topographic background symmetry display in EEG, 491
 - topographic development of EEG parameters, 100
 - variability in EEG frequency analysis, 191
- EMG
 - amplitude and area of EMG MUAPs, 561
 - myoelectrical signal cross-talk among muscles, 568
- Encephalopathy
 - subcortical short-latency SEP components, 199
- EOG
 - eyeblink-related potentials, 1
- Epilepsy
 - cognitive effect of focal interictal spikes, 319
 - EEG and EP frequency analysis, 118
 - EMG filtering of seizures, 486
 - hemispheric independence in *Papio papio*, 363
 - morphology of spikes in spike-and-wave, 508
 - relationship between unit activity and EEG, 34
 - specificity of focal spike-induced dysfunction, 338
 - spontaneous spikes in the normal hippocampus, 532, 541
 - suppression of tonic-clonic seizure discharges, 353
- Event-related potentials
 - amount of information and negative ERPs, 244
 - cat P30 disappears after septal lesions, 55
 - ERP asymmetries and reading, 218
 - eyeblink-related potentials, 1
 - frequency and location specificity of vertex N1 wave, 523
 - operator load in a tracking task, 453
 - topographic study of auditory attention wave forms, 371
- Evoked potentials
 - auditory, *see* Auditory evoked potentials
 - BAEPs, *see* Auditory brain-stem potentials
 - brain-stem facilitation of visual cortical response, 45
 - combined recording of motor and sensory EPs, 65
 - EEG and EP frequency analysis in epilepsy, 118
 - frequency and location specificity of vertex N1 wave, 523
 - in comatose patients, 6
 - long-latency components in slow wave sleep, 516
 - purine receptors modulate SEPs, 186
 - somatosensory, *see* Somatosensory evoked potentials
 - visual, *see* Visual evoked potentials
- Excitability
 - brain stimulation and alpha motoneurons, 431
 - of firing motoneurons, 576
- Eyeblink-related potentials, 1
- Fall
 - early responses in forward fall, 448
- Filtering
 - EMG filtering of seizures, 486

- of ambulatory EEG recording systems, 589
- First year of life
 - automatic analysis of night sleep EEG, 501
- Focal epilepsy
 - relationship between unit activity and EEG, 34
- Frequency analysis, *see* Spectral analysis
- Frequency specificity of vertex N1 wave, 523
- Generators
 - cat P30 disappears after septal lesions, 55
 - cerebral origin of the alpha rhythm, 79
 - intraparenchymatous BAEP in man, 259
 - scalp current density fields, 385
 - serial subcortical SEPs in brain death, 14
 - spatial extent of a cortical current source, 266
- Halothane effects on canine spinal SEPs, 277
- Hemispheric
 - ERP asymmetries and reading, 218
 - hemispheric independence in *Papio papio*, 363
 - topographic development of EEG parameters, 100
- Hemorrhage
 - quantitative analysis of brain-stem dysfunction, 148
- High pressure nervous syndrome
 - human sleep during He-O₂ compressions, 127
- Hippocampus
 - spontaneous EEG spikes in the normal hippocampus, 532, 541
- Hoffmann reflex, *see* Reflex
- Hyperbaric, *see* High pressure nervous syndrome
- Hypoxia
 - cerebral origin of the alpha rhythm, 79
 - quantitative EEG in hypobaric hypoxia, 303
- Interictal activity
 - cognitive effect of focal interictal spikes, 319
 - relationship between unit activity and EEG, 34
 - specificity of focal spike-induced dysfunction, 338
- Intraparenchymatous BAEP in man, 259
- Intraventricular perfusion
 - suppression of tonic-clonic seizure discharges, 353
- Ischemia
 - pyramidal tract conduction in brain-stem ischemia, 469
- Isolated brain
 - cerebral origin of the alpha rhythm, 79
- K complex
 - long-latency EP components in slow wave sleep, 516
- Language
 - ERP asymmetries and reading, 218
- Learning
 - spinal reflex conditioning and cortical SEPs, 398
- Lesions
 - EEG and EPs in comatose patients, 6
- Limbic system
 - cat P30 disappears after septal lesions, 55
 - spontaneous EEG spikes in the hippocampus, 532, 541
- Locked-in syndrome
 - EPs in basilar artery thrombosis, 136
- Long-latency EP components in slow wave sleep, 516
- Magnetic brain stimulation and alpha motoneurons, 431
- Magnetic field
 - scalp current density fields, 385
 - spatial extent of a cortical current source, 266
 - tonotopic organization of human auditory cortex, 160
 - to sound transitions, 423
- Mahalanobis distance
 - objective evaluation of topographic patterns, 287
- Mapping, *see* Topography
- Maturation of EEG parameters, 91, 100
- Median nerve
 - recovery of peripheral nerve and central SEPs, 585
 - serial subcortical SEPs in brain death, 14
- Memory
 - spinal reflex conditioning and cortical SEPs, 398
- Models
 - quantifying Parkinson's deficiencies, 24
 - scalp current density fields, 385
- Monitoring
 - EMG filtering of seizures, 486
 - halothane and stimulus rate effects on spinal SEPs, 277
- Monoaminergic pathways
 - brain-stem facilitation of visual cortical response, 45
- Motoneurons
 - brain stimulation and alpha motoneurons, 431
 - excitability of firing motoneurons, 576
 - recurrent inhibition of motoneurons in man, 179
- Motor activity
 - early responses in forward fall, 488
- Motor cortex
 - analysis of cortically evoked muscle responses, 412
 - pyramidal tract conduction in brain-stem ischemia, 469
- Motor evoked potentials
 - combined recording of motor and sensory EPs, 65
 - non-invasive human motor cortex mapping, 403
- Motor pathways
 - analysis of cortically evoked muscle responses, 412
- Motor performance
 - quantifying Parkinson's deficiencies, 24
- Motor preparation and stimulus anticipation, 234
- Muscle
 - amplitude and area of EMG MUAPs, 561
 - analysis of cortically evoked muscle responses, 412
 - artifact elimination in seizures, 486
 - myoelectrical signal cross-talk among muscles, 568
 - spinal reflexes, cortical SEPs and muscle stretch, 394
- Narcosis
 - nitrous oxide and P300, 171
- Neurological disorders
 - SEPs in encephalopathic children, 199
- Newborn's EEG coherence and sleep rate, 295
- Nicotinic receptors
 - brain-stem facilitation of visual cortical response, 45

Nitrous oxide, *see* Anesthesia

Non-invasive human motor cortex mapping, 403

Normative data

– newborn's EEG coherence and sleep rate, 295

N100

– frequency and location specificity, 523

N400

– ERP asymmetries and reading, 218

Olivocochlear bundle

– offset auditory brain-stem response, 476

Operant conditioning

– spinal reflex conditioning and cortical SEPs, 398

Papio papio

– forebrain commissure and hemispheric independence, 363

Parkinsonism

– quantifying deficiencies, 24

Photosensitive epilepsy

– hemispheric independence in *Papio papio*, 363

Plasma concentration

– quantitative EEG measures and alfentanil, 550

Plasticity

– spinal reflex conditioning and cortical SEPs, 398

Pons

– intraparenchymatous BAEP in man, 259

Power spectral analysis

– and alfentanil, 550

– development of EEG parameters, 91

Preparation to movement and stimulus anticipation, 234

Primates

– hemispheric independence in epileptic *Papio papio*, 363

– pyramidal tract conduction in brain-stem ischemia, 469

– spinal reflex conditioning and cortical SEPs, 398

– spinal reflexes, cortical SEPs and muscle stretch, 394

Purine receptors modulate SEPs, 186

Pyramidal tract

– analysis of cortically evoked muscle responses, 412

– pyramidal tract conduction in brain-stem ischemia, 469

P300

– cat P30 disappears after septal lesions, 55

– nitrous oxide and P300, 171

Quantitative EEG analysis

– in hypobaric hypoxia, 303

– of brain-stem dysfunction, 148

– topographic background symmetry display, 491

– *see also* Spectral analysis

Reaction time

– amount of information and negative ERPs, 244

– cognitive effect of focal interictal spikes, 319

– nitrous oxide and P300, 171

– specificity of focal spike-induced dysfunction, 338

Readiness potentials

– motor preparation and stimulus anticipation, 234

Recording methods

– filtering of ambulatory EEG recording systems, 589

Recovery of peripheral nerve and central SEPs, 585

Recurrent inhibition of motoneurons in man, 179

Reference

– confounding of common reference data coherence, 581

Reflexes

– spinal reflex conditioning and cortical SEPs, 398

– spinal reflexes, cortical SEPs and muscle stretch, 394

Reticular facilitation of visual cortical response, 45

Ripple

– spontaneous EEG spikes in the normal hippocampus, 532, 541

Saccade

– eyeblink-related potentials, 1

Scalp current density fields, 385

Seizure

– and EMG filtering, 486

– hemispheric independence in *Papio papio*, 363

– relationship between unit activity and EEG, 34

– suppression of tonic-clonic seizure discharges, 353

Sensory evoked potentials

– combined recording of motor and sensory EPs, 65

Septal lesions make cat P30 disappearing, 55

Sex differences in development of EEG parameters, 91

Short-latency SEP components in children, 199

Sleep

– automatic analysis of night sleep EEG in infants, 501

– cyclic alternating pattern sequences, 437

– human sleep during He-O₂ compressions, 127

– long-latency EP components in slow wave sleep, 516

– medialis dorsalis thalamic neurons during sleep, 82

– newborn's EEG coherence and sleep rate, 295

Slow potentials and operator load in a tracking task, 453

Society proceedings

– American, New York, December 1986, 30P

– American, Quebec, March 1987, 48P

– American, St. Louis, September 1987, 76P

– Belgian, Eindhoven, November 1986, 35P

– Dutch, Utrecht, December 1986, 46P

– Dutch, Utrecht, September 1987, 61P

– English, Birmingham, April 1987, 40P

– English, London, October 1987, 71P

– Finnish, Oulu, February 1987, 44P

– French, Paris, March 1987, 53P

– German, Göttingen, October 1986, 2P

– Israelian, Jerusalem, May 1987, 58P

– Spanish, Barcelona, December 1986, 64P

Somatosensory evoked potentials

– and vitamin B12 deficiency, 313

– halothane effects on spinal SEPs, 277

– in basilar artery thrombosis, 136

– in comatose patients, 6

– non-invasive human motor cortex mapping, 403

– recovery of peripheral nerve and central SEPs, 585

– segmental spinal SEPs and dorsal root function, 390

– serial recording of subcortical SEPs in brain death, 14

– spinal reflex conditioning and cortical SEPs, 398

– spinal reflexes, cortical SEPs and muscle stretch, 394

- stimulus rate effects on spinal SEPs, 277
- subcortical short-latency components in children, 199
- Source location
 - spatial extent of a cortical current source, 266
- Spectral analysis
 - computerized spectral vs. visual EEG analysis, 110
 - development of EEG parameters, 91
 - EEG and EP frequency analysis in epilepsy, 118
 - spatial extent of a cortical current source, 266
 - topographic background symmetry display in EEG, 491
 - variability in EEG frequency analysis, 191
- Spike-wave
 - cognitive effect of focal interictal spikes, 319
 - morphology of spikes in spike-and-wave, 508
 - specificity of focal spike-induced dysfunction, 338
- Spinal cord
 - combined recording of motor and sensory EPs, 65
 - excitability of firing motoneurons, 576
 - halothane and stimulus rate effects on canine SEPs, 277
 - recurrent inhibition of motoneurons in man, 179
 - segmental spinal SEPs and dorsal root function, 390
 - spinal reflex conditioning and cortical SEPs, 398
 - spinal reflexes, cortical SEPs and muscle stretch, 394
- Stimulus identification
 - amount of information and negative ERPs, 244
- Stimulus-preceding negativity
 - motor preparation and stimulus anticipation, 234
- Stimulus rate effects on canine spinal SEPs, 277
- Stretch reflex
 - spinal reflexes, cortical SEPs and muscle stretch, 394
- Subcortical short-latency SEP components in children, 199
- Thalamus
 - medialis dorsalis neurons during sleep, 82
- Thiopental
 - objective evaluation of topographic patterns, 287
- Time series analysis
 - quantifying Parkinson's deficiencies, 24
- Topography
 - auditory attention wave forms, 371
 - background symmetry display in EEG, 491
 - development of EEG parameters, 100

- EEG and EP frequency analysis in epilepsy, 118
- non-invasive human motor cortex mapping, 403
- objective evaluation of topographic patterns, 287
- of stereoscopic response, 209
- Traumatic brain injury
 - EEG and EPs in comatose patients, 6
- Tuning curve
 - offset auditory brain-stem response, 476
- Unitary activity and EEG in epilepsy, 34
- Verapamil
 - suppression of tonic-clonic seizure discharges, 353
- Verbal task
 - SPs, ERPs and operator load in a tracking task, 453
- Vertex N1 wave
 - frequency and location specificity, 523
- Vestibular syndrome
 - early responses in forward fall, 448
- Vibration
 - brain stimulation and alpha motoneurons, 431
- Vision
 - stereoscopic response topography, 209
- Visual analysis
 - computerized spectral vs. visual EEG analysis, 110
- Visual cortex
 - brain-stem facilitation of visual response, 45
- Visual evoked potentials
 - eyeblink-related potentials, 1
 - in basilar artery thrombosis, 136
 - stereoscopic response topography, 209
- Visual perception
 - cognitive effect of focal interictal spikes, 319
 - specificity of focal spike-induced dysfunction, 338
- Vitamins
 - SEPs and vitamin B12 deficiency, 313
- Volume conduction
 - myoelectrical signal cross-talk among muscles, 568
- Wakefulness and medialis dorsalis thalamic neurons, 82
- Wave form
 - topographic study of auditory attention wave forms, 371
- Workload
 - SPs, ERPs and operator load in a tracking task, 453